

**AMENDMENTS TO THE CLAIMS:**

Kindly amend claims 1 and 5, as shown below.

This listing of claims will replace all prior versions and listings of claims in the  
Application:

**Claim 1 (currently amended):** A method of resetting an array of active pixel sensors (APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed into predetermined groups each having one or more sensors, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially applying a pre-reset voltage to each of the predetermined groups of one or more sensors; and
- (b) subsequently resetting the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously.

**Claim 2 (original):** A method as claimed in claim 1 wherein each group comprises one or more rows of sensors.

**Claim 3 (original):** A method as claimed in claim 1 wherein each group comprises one or more columns of sensors.

**Claim 4 (previously presented):** A method as claimed in claim 1 wherein step (a) includes

- (a.i) detecting the bias voltage level of the sensor array;
- (a.ii) selecting the number of sensors in the groups as a function of the bias voltage detected.

**Claim 5 (currently amended):** Apparatus for resetting an array of active pixel sensors (APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed

into predetermined groups each having one or more sensors, comprising:

- (a) a controller coupled to the sensor array for sequentially applying a pre-reset voltage to each of the predetermined groups of one or more sensors in the array; and
- (b) a controller coupled to the sensor array for subsequently resetting all of the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously.

**Claim 6 (previously presented):** Apparatus as claimed in claim 5 which further includes:

- (c) a detector for detecting the bias voltage of the sensor array; and
- (d) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

**Claim 7 (original):** Apparatus as claimed in claim 6 wherein each group comprises one or more rows of sensors.

**Claim 8 (original):** Apparatus as claimed in claim 6 wherein each group comprises one or more columns of sensors.

**Claim 9 (previously presented):** A method of resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially resetting groups of one or more sensors, wherein the pre-resetting step includes:
  - (a.i) detecting the bias voltage level of the sensor array;
  - (a.ii) selecting the number of sensors in the pre-resetting groups as a function of the bias voltage detected; and

- (b) resetting all of the sensors at one time.

**Claim 10 (previously presented):** A method as claimed in claim 9 wherein each group comprises one or more rows of sensors.

**Claim 11 (previously presented):** A method as claimed in claim 9 wherein each group comprises one or more columns of sensors.

**Claim 12 (previously presented):** Apparatus for resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising:

- (a) a controller coupled to the sensor array for sequentially pre-resetting groups of one or more sensors in the array, and for simultaneously resetting all of the sensors in the array;
- (b) a detector for detecting the bias voltage of the sensor array; and
- (c) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

**Claim 13 (previously presented):** Apparatus as claimed in claim 12 wherein each group comprises one or more rows of sensors.

**Claim 14 (previously presented):** Apparatus as claimed in claim 12 wherein each group comprises one or more columns of sensors.